



|                                                                                                             |                                            |                                                              |
|-------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------------------------------------------|
| <b>Index of Claims</b><br> | <b>Application/Control No.</b><br>10574316 | <b>Applicant(s)/Patent Under Reexamination</b><br>KIM ET AL. |
|                                                                                                             | <b>Examiner</b><br>ROBERT HUBER            | <b>Art Unit</b><br>4146                                      |

|   |                 |   |                   |   |                     |   |                 |
|---|-----------------|---|-------------------|---|---------------------|---|-----------------|
| ✓ | <b>Rejected</b> | - | <b>Cancelled</b>  | N | <b>Non-Elected</b>  | A | <b>Appeal</b>   |
| = | <b>Allowed</b>  | ÷ | <b>Restricted</b> | I | <b>Interference</b> | O | <b>Objected</b> |

| <input type="checkbox"/> Claims renumbered in the same order as presented by applicant |          |            |            |            | <input type="checkbox"/> CPA |  |  |  |  | <input type="checkbox"/> T.D. |  |  |  |  | <input type="checkbox"/> R.1.47 |  |  |  |  |
|----------------------------------------------------------------------------------------|----------|------------|------------|------------|------------------------------|--|--|--|--|-------------------------------|--|--|--|--|---------------------------------|--|--|--|--|
| CLAIM                                                                                  |          | DATE       |            |            |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
| Final                                                                                  | Original | 02/19/2008 | 04/30/2008 | 07/28/2008 |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 1        | +          | N          | N          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 2        | +          | N          | N          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 3        | +          | N          | N          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 4        | +          | N          | N          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 5        | +          | N          | N          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 6        | +          | N          | N          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 7        | +          | N          | N          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 8        | +          | N          | N          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 9        | +          | N          | N          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 10       | +          | N          | N          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 11       | +          | N          | N          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 12       | +          | N          | N          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 13       | +          | N          | N          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 14       | +          | =          | =          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 15       | +          | =          | =          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 16       | +          | =          | =          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 17       | +          | =          | =          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 18       | +          | =          | =          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 19       | +          | =          | =          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 20       | +          | =          | =          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 21       | +          | =          | =          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 22       | +          | =          | =          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 23       | +          | =          | =          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 24       | +          | =          | =          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 25       | +          | =          | =          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 26       | +          | =          | =          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 27       | +          | O          | O          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 28       | +          | O          | O          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 29       | +          | =          | =          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 30       | +          | =          | =          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 31       | +          | =          | =          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 32       | +          | =          | =          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 33       | +          | =          | =          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 34       | +          | =          | =          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 35       | +          | =          | =          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 36       | +          | =          | =          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |

|                                                                                                             |                                            |                                                              |
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| CLAIM                                                                                  |          | DATE       |            |            |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
| Final                                                                                  | Original | 02/19/2008 | 04/30/2008 | 07/28/2008 |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 37       | +          | N          | N          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 38       | +          | N          | N          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 39       | +          | N          | N          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 40       | +          | N          | N          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 41       | +          | N          | N          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 42       | +          | N          | N          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 43       | +          | N          | N          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 44       | +          | N          | N          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 45       | +          | N          | N          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 46       | +          | N          | N          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 47       | +          | N          | N          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 48       | +          | N          | N          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 49       | +          | N          | N          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 50       | +          | N          | N          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 51       | +          | N          | N          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 52       | +          | N          | N          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 53       | +          | N          | N          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |
|                                                                                        | 54       | +          | N          | N          |                              |  |  |  |  |                               |  |  |  |  |                                 |  |  |  |  |